ABSTRACT OF THE DISCLOSURE

An adsorption apparatus and method of adsorption for treatment of wastewater is disclosed, and comprises an inlet for the wastewater connected to a metals trap which adsorbs metals and a second trap which filters organic materials from the wastewater, positioned between the inlet and the metals trap, wherein the second trap at least partially comprises either a phosphate or an activated carbon. The metals trap can be, for example, fish bone char. A method of manufacturing fish bone char is also disclosed.

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